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CHAPTER 115

INSTRUCTIONS FOR MINERAL PROCESSING AIR EMISSION LICENSE APPLICATION

State of Maine
Department of Environmental Protection
Bureau of Air Quality

Fill out all applicable sections of the forms. Some applications will need to include information in addition to the forms. The additional information could consist of a Best Practical Treatment (BPT) or Best Available Control Technology (BACT) analysis, further description of the facility or a specific emission unit, calculations, plot plans, a modeling analysis, etc.

INSTRUCTIONS for SECTION A: FACILITY INFORMATION

Facility Name: The facility name as it is recorded with the Secretary of State and as it should appear on the license.

Physical Location: The physical location of the facility (not necessarily the mailing address), including city/town and county.

Facility Mailing Address: The mailing address of the facility, including city/town and zip code.

Facility Phone Number: Main phone number of the facility.

Facility Description: A description of the facility operations. Check all that apply.

Current License Number (if an existing facility): The number of the air emission license the facility is currently operating under.

Application Number: To be filled in by the Department.

Checklist: These requirements are necessary for the Department to accept the application for processing and should be completed and checked off prior to submitting the application.

- **Application completed** - the applicable portions of the application forms must be filled out.
- **Copy sent to town and date sent** - a copy of your air emission license application must be filed for public inspection with the town or city clerk of the municipality in which the equipment is expected to operate the majority of time.
- **Public notice published** - a public notice of intent to file must be published in a newspaper of general circulation in the region in which the source would be located (see Public Notice of Intent to File form).
- **Enclose public notice tear sheets** - a clipping or photocopy of the notice from the paper must be submitted with the application.
- **Signed signatory form** - the Responsible Official must sign the application form (see Section J).
- **If applicable, enclose check for fee** - new sources must enclose a fee with the application (see enclosed fee information for new sources only).

Facility Contact: Contact information for the person responsible for any future questions regarding this facility including scheduling appointments or inspections.

Application Contact: Contact information for the person who is responsible for answering questions regarding this specific application if different from the Facility Contact.

Billing Contact: Contact information for the person who is responsible for receiving and paying air emission license invoices (accounts payable).

Instructions for SECTION B: STATIONARY FUEL BURNING EQUIPMENT

Fill out the table for fuel burning equipment, not including insignificant activities. See Appendix B of Chapter 115 for a list of insignificant activities.

List:

- **Emission Unit ID** – List the equipment to be included in the license. In-house identification names may be used as the Unit ID.
- **Type of Equipment** - boiler, generator, heater, drive unit, etc.
- **Maximum Design Capacity** - Maximum design capacity in MMBtu/hr, kW, or Hp. (MMBtu/hr is preferred.)
- **Maximum Firing Rate** - gal/hr, scf/hr, etc. (include units in table).

- **Fuel Type and Sulfur Content** - Type of fuel burned, include maximum sulfur content for oil fired. List all fuels if more than one type of fuel is burned.
- **Date of Manufacture** - Date when the equipment was manufactured.
- **Date of Installation** - Date when the equipment was installed.

Use sequential numbering, do not repeat Emission Unit ID numbers. In general, list emission units separately; do not combine units in one entry. One boiler may have different rated capacities for different fuels which can be listed separately in the table.

Instructions for SECTION C: ROCK CRUSHERS

List:

- **Emission Unit ID** – List the rock crushers to be included in the license. In-house identification names may be used as the unit ID if names do not repeat.
- **Maximum Material Process Rate** – List the manufacturer's specified maximum process rate (ton/hour).
- **Date of Manufacture** - Date the equipment was manufactured.
- **Date of Installation** - Date the equipment was installed.
- **Water Sprays Installed and Operational** – State whether or not operational water sprays are installed on this particular piece of equipment.

Do not repeat Emission Unit ID numbers. List emission units separately; do not combine units in one entry. List each crusher separately, even if they are trained together as one process.

Instructions for SECTION D: ASPHALT PLANT

List:

- **Plant Type** – State whether the asphalt plant is a batch plant or a continuous rotary drum design.
- **Maximum Finished Material Process Rate** – List the maximum production rate of the plant in ton/hour.
- **Date of Manufacture** - Date the equipment was manufactured.
- **Date of Installation** - Date the equipment was installed.
- **Kiln Maximum Heat Input** – List the maximum design heat input of the kiln burner in MMBtu/hr.
- **Kiln Fuel Type and Sulfur Content** – List the type of fuel fired in the kiln, and include the maximum sulfur content of the fuel fired. List all fuels if more than one type may be fired.
- **Maximum Firing Rate** – List the maximum firing rate of the kiln in gallons per hour.

- **Control Device** – List any and all control devices operated on the asphalt plant including baghouses, scrubbers, cyclones, etc.
- **Stack Flow Rate** – List the maximum flow rate at the stack exit in actual cubic feet per minute (acfm).
- **Stack Exit Temperature** – List the exit temperature in °F.
- **PM Detector** – State whether or not there is an operational PM detector on the asphalt plant exhaust.

Instructions for SECTION E: CONCRETE PROCESSING

For Batch Plants List:

- **Emission Unit ID** – List the concrete processing equipment to be included in the license. In-house identification names may be used as the unit ID.
- **Maximum Finished Material Process Rate** – List the manufacturer's specified maximum process rate in cubic yards per hour.
- **Date of Manufacture** - Date the equipment was manufactured.
- **Date of Installation** - Date the equipment was installed.
- **Control Device** – List any control devices used to control emissions from this equipment including baghouses, scrubbers, cyclones, etc.

For Storage Silos List:

- **Emission Unit ID** – List what you would prefer the equipment to be referenced as in your license. You may use in-house identification labels.
- **Maximum Storage Capacity** – List the maximum storage capacity of the storage silo.
- **Date of Manufacture** - Date when the equipment was manufactured.
- **Date of Installation** - Date when the equipment was installed.
- **Control Device** – List any control devices used to control emissions from this equipment including baghouses, scrubbers, cyclones, etc.

Instructions for SECTION F: ANNUAL FACILITY FUEL USE

List:

- **Calendar Year** – List the last calendar year for which data is available (i.e. 2004, 2005, etc.).
- **Fuel Type** – List the type of fuel fired. (kerosene, #2 fuel oil, diesel fuel, #4 fuel oil, #6 fuel oil, natural gas, etc.)
- **Sulfur Content** – List the sulfur content of the fuel fired.
- **Actual Fuel Usage** – List the total usage of the fuel specified for the listed calendar year.

Instructions for SECTION G: PARTS WASHERS/SOLVENT DEGREASERS

Fill in this table for any parts washers or solvent degreasers used at the facility.

- **Emission Unit ID** – number/name to identify unit
- **Capacity** – the maximum amount of liquid capable of being stored in the unit in gallons
- **Solvent Used** – the specific type of materials used for cleaning (SafetyKleen, kerosene, etc.)

Instructions for SECTION H: ADDITIONAL EQUIPMENT

Describe any equipment, activities, or other emission sources that did not fit into any of the above categories. Indicate the pollutant emitted and a description of any air pollution control devices. You may attach additional sheets if necessary.

Instructions for SECTION I: BPT/BACT AND OTHER ATTACHMENTS

BPT/BACT: Section I describes the requirements for a Best Practical Treatment (BPT) analysis and a Best Available Control Technology (BACT) analysis. If the control equipment, fuel limitations, and process constraints listed in the application are sufficient to describe BPT (or BACT as appropriate) for the facility, check the first box.

If a more in-depth analysis is required, check the second box and attach a separate BPT or BACT analysis.

Other Attachments: List any attachments that are included in this submittal. These attachments should be clearly labeled and the label noted on this page for reference.

Instructions for SECTION J: SIGNATORY REQUIREMENTS

The application must be signed by a designated Responsible Official.

"Responsible official" means one of the following:

- A. For a corporation: a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit and either:

- (1) The facilities employ more than 250 persons or have gross annual sales or expenditures exceeding \$25 million (in second quarter 1980 dollars); or
- (2) The delegation of authority to such representatives is approved in advance by the permitting authority;
- B. For a partnership or sole proprietorship: a general partner or the proprietor, respectively;
- C. For a municipality, State, Federal, or other public agency: Either a principal executive officer or ranking elected official. For the purposes of this part, a principal executive officer of a Federal agency includes the chief executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., a Regional Administrator of EPA).

Additional Questions?

If you have any questions regarding filling out your air emission license application form, please contact a member of the Licensing Section at (207) 287-2437.

Additional forms and guidance can be found online at:

www.maine.gov/dep/air/licensing/index.htm